



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|------------------------------|------------------|
| 09/974,530 | 10/10/2001 | Adrian P. Wise | 100423(EP)USC1X1C1D7D1 PD | 1318 |
| 22887 | 7590 | 02/25/2005 | EXAMINER DIEP, NHON THANH | |
| DISCOVISION ASSOCIATES INTELLECTUAL PROPERTY DEVELOPMENT 2355 MAIN STREET, SUITE 200 IRVINE, CA 92614 | | | ART UNIT 2613 | PAPER NUMBER |

DATE MAILED: 02/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|--------------------------------------|------------------------------------|--|
| Office Action Summary | Application No. 09/974,530 | Applicant(s) WISE ET AL. | |
| | Examiner Nhon T Diep | Art Unit 2613 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-37 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-37 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 October 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-37 are rejected under 35 U.S.C. 102(e) as being anticipated by Wise (US 5,978,592).

Wise discloses a video decompression and decoding system utilizing control and data tokens comprising the same a method of processing video data, the method comprising: receiving video data having portions encoded in accordance with respective different video standards, the plurality of video standards defining corresponding start codes; identifying a start code included in the received video data; and processing the received video data in accordance with the video standard corresponding to the identified start code; wherein the start code comprises an H.261 picture start code; wherein the start code comprises an MPEG (Motion Pictures Experts Group) start code; wherein the start code comprises a JPEG (Joint Photographic Experts Group) start of a scan marker; wherein the start code comprises a start code used by a video format that encodes spatial and temporal video data; wherein processing

Art Unit: 2613

comprises decoding the received video data; wherein processing comprises constructing one or more images for display based on the received video data; wherein processing comprises rearranging one of the portions of received video data into an arrangement that complies with a different video standard; a method of processing video data, the method comprising: receiving a first set of video data encoded in accordance with a first video standard and having a first start code defined by the first video standard; determining the video standard of the first set of video data by identifying the first start code included in the first set of video data; processing the first set of video data in accordance with a first video standard; receiving a second set of video data encoded in accordance with a second video standard and having a second start code defined by the second video standard; determining the video standard of the second set of video data by identifying the second start code included in the second set of video data; and

Art Unit: 2613

processing the second set of video data in accordance with the second video standard; wherein processing comprises decoding; wherein one of the first or second video standards comprises one of the following: an MPEG (Motion Pictures Experts Group) standard, a JPEG (Joint Photographic Experts Group) standard, or an H.261 standard; a method of processing encoded video data, the method comprising: receiving video data having portions encoded with respective different video standards; determining the video standard used for the received video data; generating codes demarcating the received video data, the codes being the same for different video standards; and processing the received video data in accordance with the codes; wherein the video standards comprise at least one of the following: MPEG (Motion Pictures Experts Group), H.261, and JPEG (Joint Photographic Experts Group); wherein the codes comprise a picture start code; wherein the codes comprise a picture end code; a method of processing encoded video data at a video data processing stage, the method comprising: receiving identification of a video standard of the encoded video data; configuring the video data processing stage based on the received

Art Unit: 2613

identification; and processing the video data at the configured video data processing stage in accordance with the received identification; wherein the video data processing stage comprises a decoder; wherein the decoder comprises a Huffman decoder; wherein the video data processing stage comprises an inverse quantizer; wherein configuring comprises determining tables used by the stage; wherein the video processing stage programmatically alters electrical signals representing the encoded video data; a method of processing video data, the method comprising: receiving a first video data code or marker corresponding to a first video standard; searching video data for the received video code or marker; receiving a second video data code or marker corresponding to a second video standard; and searching video data for the second video data code or marker; wherein the first video standard comprises one of the following: MPEG (Motion Pictures Experts Group), JPEG (Joint Photographic Experts Group), and H.261; wherein the video data code or marker

comprises at least one of the following: a picture start code, a sequence start code, a slice start code, a start of scan marker, and a group start code; a method of processing video data, the method comprising: receiving video data; determining a video standard associated with the video data; generating one or more tokens for controlling decoding of the received video data by a decoding pipeline; and decoding the received video data in the decoding pipeline; wherein determining a video standard comprises identifying a start code or marker in the received video data; wherein the video standard comprises at least one of the following: MPEG, JPEG, and H.261; wherein generating one or more tokens comprises generating one or more tokens that configure the decoding pipeline for processing of the determined video standard; wherein generating one or more tokens comprises generating one or more tokens demarcating the received video data; wherein demarcating comprises identifying one or more of the following: a picture start, a picture end, a sequence start, and a group start; wherein the pipeline comprises a Huffman decoder; wherein the pipeline comprises instructions for an inverse discrete cosine transform upon a portion of the received video data; wherein one of the one or more tokens comprises a picture start token that identifies the start of a picture in the received video data; wherein one of the one or more tokens comprises a picture end token that identifies the end of a picture in the received video data; wherein one of the one or more tokens comprises a coding standard token that identifies the video standard of the received video data; wherein one of the one or more tokens comprises a flush token that resets stages in the decoding pipeline; and wherein clearing the

Art Unit: 2613

pipeline comprises resetting pipeline elements for reception of subsequent video data (please see the entire reference) as specified in claims 1-37.

3. Claims 1-37 are rejected under 35 U.S.C. 102(e) as being anticipated by Sotheran (US 5,603,012).

Sotheran anticipates claims 1-37 (please see the entire reference).

4. Claims 1-37 are rejected under 35 U.S.C. 102(e) as being anticipated by Robbins (US 5,881,301).

Robbins anticipates claims 1-37 (please see the entire reference).

5. Claims 1-37 are rejected under 35 U.S.C. 102(e) as being anticipated by Wise et al (US 5,956,519).

Wise et al anticipates claims 1-37 (please see the entire reference).

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Jaqua (US 5,115,311) discloses a high resolution translation of images.

b. Higurashi (US 4,768,108) discloses a magnetic recording and reproducing system.

c. Boden (US 5,633,686) discloses an adaptive digital video system.

d. (US 5,220,325) discloses a hierarchical variable length decoder for digital video data.

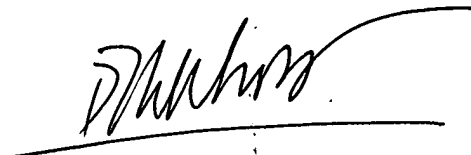
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nhon T Diep whose telephone number is 703-305-4648. The examiner can normally be reached on m-f.

Art Unit: 2613

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris S Kelley can be reached on 703 305-4856. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ND
2/21/2005


**NHON DIEP
PRIMARY EXAMINER**